

## ABSTRACT

A magnetic data eraser adapted to completely degauss a recording medium in a magnetic recording device to erase magnetic data with certainty and a method for erasing magnetic data, and further, a magnetic data eraser  
5 also adapted to erase recorded magnetic data on a magnetic recording medium or a hard disk drive incorporated in a computer and a method for erasing magnetic data.

The magnetic data eraser (1, 3, 5) includes a power supply circuit (2) for generating an attenuating alternating voltage whose peak value reduces as  
10 time passes, a receptacle (20a, 28a) for accommodating a magnetic recording medium (22a, 32a, 33), and an electric coil (15) for degaussing the magnetic recording medium (22a, 32a, 33), and is adapted to apply the attenuating alternating voltage generated in the power supply circuit (2) to the coil (15) to generate within the receptacle (20a, 28a) an attenuating alternating  
15 magnetic field whose peak value of magnetic flux density reduces as time passes.